

## EXHIBIT A – AMENDMENTS TO CLAIMS

### IN THE CLAIMS:

Please amend claims 3, 8, 9, 11, 14, 17, and 19, as follows:

3. (Amended) A nuclear magnetic resonance tomograph characterized in that it comprises at least one computer according to [one of Claims] Claim 1 [or 2].

8. (Amended) The method according to [one of Claims] Claim 4<sub>2</sub> [through 7,] characterized in that the relaxation signal is divided into at least one part that is dependent on the echo time  $T_E$  and into at least one part that is not dependent on the echo time  $T_E$ .

9. (Amended) The method according to [one of Claims] Claim 4<sub>2</sub> [through 8,] characterized in that at least one signal is determined that is proportional to  $T_E \exp(-T_E / T_2^*)$ .

11. (Amended) The method according to [one or more of Claims] Claim 4<sub>2</sub> [through 10,] characterized in that statistical fluctuations of  $\Delta T_2^*$  are ascertained.

14. (Amended) The method according to [one of Claims] Claim 4<sub>2</sub> [through 13,] characterized in that a statistical deviation of an initial intensity  $S_0$  is ascertained.

17. (Amended) The method according to [one of Claims] Claim 4<sub>2</sub> [through 16,] characterized in that a statistical fluctuation of a noise signal  $g$  is ascertained.

19. (Amended) The method according to [one of Claims] Claim 4<sub>2</sub> [through 18,]

characterized in that the recorded data is acquired in an at least two-dimensional field, whereby a  
field axis (DTE) acquires echo times  $T_E$  and whereby another field axis (DTR) reproduces  
repetitions of excitations at a time interval  $T_R$ .

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